Portland Harbor:
post project on ftp site
Installer for ARDToolbar?
UCL calculated how?
Surface sediment contaminant distr

- **Fate and Transport Segments**
  - **Without buffer = Analysis\Fate_Transport\ph_fandt_121106**
  - **With buffer = Analysis\Fate_Transport \ph_fandt_121806.shp**
  - Based on EPA/Trustee outline 2005
  - Further based on DEQ efforts
  - Nearshore/Main Channel division at -40' CRD (-35' NAVD88)
  - Buffered 100' into riparian zone to capture data

- **River Mile Segments**
  - **Without buffer = Analysis\Feasability_Study\sample_design_union_121106_rev 1.shp**
  - **with buffer = Analysis\Feasability_Study\samp_union_121806.shp**
  - Based on LWG shoreline
  - -20' CRD (-15' NAVD88) nearshore zone
  - Buffered 100' into riparian zone to capture data for HHRA & ERA

- **Areas to exclude in data analysis- or data selection criteria**
  - McCormick & Baxter- or select only most recent data
  - T4
  - Gasco?
  - Arkema?

Need to sit down with them and go over data/maps.
Query data from Query Manager and have someone at Parametrix double-check

Spatial Analyses:

1. **Assign River Mile designation to dataset**

   Inputs
   1. Contaminant datasets (Water, Sediment, Tissue, Bioassay)
   2. River Mile segments layer

   Process
   3. Use Identity tool available in ArcInfo or XTools

2. **Assign Fate and Transport Segment designation to point dataset**

Inputs

1. Contaminant datasets (Water, Sediment, Tissue, Bioassay)
2. Fate and Transport segments layer

Process

3. Use Identity tool available in ArcInfo or XTools

3. **Summarize contaminant by areas:**

- AOPC
- fate and transport segments
- river mile segments
- river-wide
- ***Need: Beach Areas for EcoRisk- could digitize from document***

Inputs

- Contaminant point data (Sediment, tissue, water)
- Polygon layers (AOPC, Fate and Transport segments, River Mile segments, possibly Receptor areas?)

Process

- Query data from Query Manager or use formatted Water data
- Identity (ArcInfo) which will assign segment ID's to point shapefile
- Chart by segment (fate and transport and/or river mile) in Excel relative to selected PRG and possible multipliers
- Test dataset for distribution normal/lognormal in Excel (Anlalyse-it or alternative software) which directs the choice of formula for calculating 95% UCL
- Spatial Join (ArcInfo) which will summarize points by area incl. count, min, max, mean and std. dev.; 95% UCL can be added from Excel